Attorney's Docket No.	TMP-1947	PATENT
		For: □ U.S. and/or ☑ Foreign Rights For: □ U.S. Application or □ U.S. Provisional Application For: □ U.S. Patent For: □ PCT Application By: Multiple Inventors
A	SSIGNMENT OF INVI	ENTION (MULTIPLE INVENTORS)
In consideration of th receipt of which is hereby	e payment by ASSIGN acknowledged, and fo	EE to ASSIGNOR of the sum of One Dollar (\$1.00), the or other good and valuable consideration,
ASSIGNORS (Inventors)	:	
Roy V. Leverenz (type or print na	ame of inventors)	115 Partridge Ct. Smyra, Tennessee 37087 37/67 USA Address RVF Nationalit
John Bost		208 Dover Place Franklin, TN 37087 37067 9.B. USA
James J. Oakes		1707 Sutton Place Murfreesboro, TN 37129

hereby sells	s, assigns and transfers to	
ASSIGNEE	:	
ATI Propert (type or print n	ies, Inc. lame of ASSIGNEE)	2049 Century Park East Address
(a Delaware Nationality	e Corporation)	Los Angeles, CA 90067
and the suc	cessors, assigns and legal representatives o	f the ASSIGNEE
	(complete one of t	ne following)
oxdot	the entire right, title and interest	
and its territ	an undivided percent (_	%) interest for the United States
	(check the following box, if foreign r	ghts are also to be assigned)
improvement TOOLS	and in all foreign countries, including all nts which are disclosed in the invention enti	rights to claim priority, in and to any and all tled: IMPROVED COATINGS FOR CUTTING
	(check and complete (a), (b)	, (c), (d), (e), (f) or (g))
and which is	s found in	
(a) 🔯	U.S. patent application executed on even da	te herewith
(p) 🗆	U.S. patent application executed on	
(c) 🗆	U.S. provisional application naming the above	re inventor(s) for the above-entitled invention
	Express mail label no.:	
	Mailed:	
	To comply with 37 CFR 3.21 for recordal of hereby authorize and request my attorney number when they become known.	this assignment, I, an ASSIGNOR signing below, to insert below the filing date and application
(q) 🗆	U.S. application no.:filed on	
(e) □	International application no. PCT /filed on	
(f) 🗆	U.S. patent no.	issued
	A change of address to which correspondees is being sent separately.	ndence is to be sent regarding patent maintenance

(also check (g), if foreign application(s) is also being assigned)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have he	ereunto set hand and seal this
	Date of signing
WARNING: The date of signing must be the same	as the date of execution of the application, if item (a) was checked above.
	ρ at φ
Roy V. Leverenz	Koy V. Levereng
(type name of Inventor)	Roy V. Leverary Signature of INVENTOR
John Bost	John Dost
	Janus Malus
James J. Oakes	June Holling
	• 0
☐ Notari:	zation or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima face evidence of execution. 35 USC 261. Use next page if notarization is desired.

Attorney's Docket No	99396CONCIP/TMP-1947	PATENT
	For: ☑ U.S. and/or ☑ Foreign R For: ☐ U.S. Application or ☐ U.S. Provisional Applicati For: ☑ U.S. Patent For: ☐ PCT Application By: ☐ Inventor(s) or ☑ Present	ion
	ASSIGNMENT OF INVENTION	
In consideration of t the receipt of which is hereby	the payment by ASSIGNEE to ASSIGNOR of the sun y acknowledged, and for other good and valuable cons	n of One Dollar (\$1.00), sideration,
ASSIGNOR:		
Inventor(s) or person(s) or entity(ies) who own the	ATI Properties, Inc. (type or print name(s) of ASSIGNOR(S))	
invention	1600 NE Old Salem Road PO Box 460	
	Address	
	<u>Albany, OR 97321</u>	
	(a Delaware corporation) Nationality	
(if assignment	is by person or entity to whom invention was previous and this was recorded in PTO, add the following)	ly assigned
Recorded on	Reel	
	Frame	
hereby sells, assigns and tra	ansfers to	
ASSIGNEE:	TDY Industries, Inc. (type or print name(s) of ASSIGNEE(S)))
	1000 Six PPG Place Address	
	Pittsburgh, PA 15222-5479	
	(a California corporation) Nationality	

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and inter	est	
an undividedand its territorial possessions	percent (%) interest for the United States
(check the following	box, if foreign rights ar	re also to be assigned)
	ncluding all rights to cla he invention entitled:	aim priority, in and to any and all IMPROVED COATINGS FOR CUTTING
Name of Inventors: <u>Leverenz et al.</u>		
(check and c	complete (a), (b), (c), (c	d), (e), (f) or (g))
and which is found in		
(a) U.S. patent application exec	cuted on even date here	ewith
(b) U.S. patent application exec	cuted on	
(c) U.S. provisional application	naming the above inve	entor(s) for the above-entitled invention
Express mail label no.:		
Mailed:		
To comply with 37 CFR 3.2 hereby authorize and requnumber when they become	uest my attorney to in	ssignment, I, an ASSIGNOR signing below, nsert below the filing date and application
(d) U.S. application no.:	Filed:	
(e) International application no		
(f) X U.S. patent no. <u>6,447,890</u>	issued September 10	, 2002
☐ A change of addres maintenance fees is be	s to which corresponding sent separately.	ondence is to be sent regarding patent
(also check (g), if	f foreign application(s) i	is also being assigned)
(g) 🛛 and any legal equivalent th	ereof in a foreign coun	try, including the right to claim priority
and, in and to, all Letters Patent to continuation, division, renewal, or subs thereof.	be obtained for said titute thereof, and as to	invention by the above application or any betters patent any reissue or re-examination

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation

representatives any and enforce said ap	ed thereto and will promptly execute and deliver to ASSIGNEE or its legal and all papers, instruments or affidavits required to apply for, obtain, maintain, issue plication, said invention and said Letters Patent and said equivalents thereof which desirable to carry out the purposes thereof.
SEPTEMBER 2 Date of Signing	HEREOF, I/We have hereunto set hand and seal this day of co3.
	e date of signing must be the same as the date of execution of the application, if item (a) was checked ove. Signature of ASSIGNOR(5)
	(if ASSIGNOR is a legal entity, complete the following information) PATRICK J. VICCARO (type or print the name of the above person authorized to sign on behalf of ASSIGNOR) DEFORM FATRICS AND ASSISTANT SECRETARY
NOTE: No witnessing prima facie ev	notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be idence of execution. 35 USC 261. Use next page if notarization is desired. Notarization or Legalization Page Added.

ASSIGNMENT

WHEREAS, WE, Roy V. Leverenz and John Bost, residing in Smyrna, County of Rutherford, State of Tennessee and Franklin, County of Williamson, State of Tennessee, respectively, have invented certain new and useful improvements in ANCHORED OXIDE COATINGS ON HARD METAL CUTTING TOOLS for which we have this day executed an application for United States Letters Patent;

AND, WHEREAS Teledyne Industries, Inc., a corporation of the State of California, having a place of business at #1 Teledyne Place, LaVergne, Tennessee 37086, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to us by said assignee, the receipt of which is hereby acknowledged, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Assistant Commissioner for Patents is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree jointly and individually that we will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful divisional, reissue, continuation, execute all papers, continuation-in-part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure

to	the	benefit	of	the	h€	eirs,	exe	ecut	ors,	a	dmini	strators
succ	cessor	s, and/or	assi	.gns,	as	the	case	may	be,	of	said	assignee.
	EXEC	CUTED	MA	4 y 2	28,	199	1			_,	1997.	,

Roy W. Leverenz
STATE OF TENNESSEE : : ss: COUNTY OF RUTHERFORD :
Before me, a Notary Public in and for the said County and State personally appeared Roy V. Leverenz, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.
Witness my hand and notarial seal this 184 day of May , 1997.
[NOTARIAL SEAL] Notary Public
EXECUTED MAy 28, 1997. John Bost
STATE OF TENNESSEE : ss:
COUNTY OF RUTHERFORD :
Before me, a Notary Public in and for the said County and State personally appeared John Bost, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.
Witness my hand and notarial seal this $28^{\frac{1}{12}}$ day of MAV, 1997.
[NOTARIAL SEAL] Janethin Notary Public